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I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on June 17, 2002.

*Eric M. Barzee*  
Attorney for Applicant

EV106247141US  
Express Mail Label No.

**PATENT**Docket No. 1321.2.29.1**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Eliabeth E. Adderson, et al.	)
Serial No.:	10/009,254	)
Filed:	December 10, 2001	)
For:	GENES FROM VIRULENT GROUP B STREPTOCOCCUS AGALACTIAE	)

**Certificate of Mailing**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby certify that the following items are being deposited with the United States Postal Service as "Express Mail Post Office Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Box PCT, Assistant Commissioner for Patents, Washington, D.C. 20231, on June 17, 2002:

1. Patent Declaration;
2. Sequence Listing and Disk;
3. Statement Regarding Sequence Listing;
4. Petition for Extension of Time;
5. Credit card form for the amount of \$120;
6. Copy of Notification of Missing Requirements; and
7. Transmittal Letter.

Respectfully submitted,

*Eric M. Barzee*  
Eric M. Barzee  
Reg. No. 45,911  
Attorney for Applicant

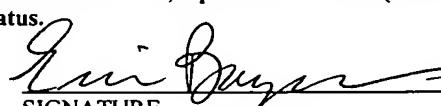
Date: June 17, 2002

MADSON & METCALF  
Gateway Tower West  
15 West South Temple, Suite 900  
Salt Lake City, Utah 84101  
Telephone: 801/537-1700

DT15 Rec'd PCT/PTO JUN 17 2002

FORM PTO-1390 (REV 10-95)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 1321.2.29.1
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO (If known, see 37 CFR 1.5) 10/009,254
INTERNATIONAL APPLICATION NO. PCT/US00/17082	INTERNATIONAL FILING DATE 21 June 2000	PRIORITY DATE CLAIMED 21 June 1999		
<b>TITLE OF INVENTION</b> ISOLATED GENES FROM VIRULENT GROUP B STREPTOCOCCUS AGALACTIAE				
<b>APPLICANT(S) FOR DO/EO/US</b> Elisabeth Adderson and John F. Bohnsack				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"><li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li><li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving office (RO/US).</li></ol></li><li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371 (c)(2)).</li><li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li><li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li></ol>				
<b>Items 11. to 16. below concern document(s) or information included:</b>				
<ol style="list-style-type: none"><li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li><li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li><li>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>14. <input type="checkbox"/> A substitute specification.</li><li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li><li>16. <input checked="" type="checkbox"/> Other items or information: Certificate of Mailing</li></ol>				

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/009,254	INTERNATIONAL APPLICATION NO. PCT/US00/17082	ATTORNEY'S DOCKET NUMBER 1321.2.29.1		
17. <input checked="" type="checkbox"/> The following fees are submitted:		CALCULATIONS (PTO USE ONLY)		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5):</b>				
Search Report has been prepared by the EPO or JPO ..... \$ 890.00				
International preliminary examination fee paid to USPTO (37 CFR 1.482) .. \$ 710.00				
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)). ..... \$ 740.00				
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1040.00				
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$ 100.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$130.00		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims		(above 20)	X \$ 18.00	\$
Independent Claims		(above 3)	X \$ 84.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$280.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$		
Reduction of ½ for filing by small entity, if applicable.		\$65.00		
		<b>SUBTOTAL =</b>	\$65.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$		
		+ \$		
<b>TOTAL NATIONAL FEE =</b>		\$		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$		
		+ \$		
<b>TOTAL FEES ENCLOSED =</b>		\$65.00		
06/24/2002 HKAYPAGH 00000098 10009254 01 FC:25 65.00 OP		Amount to be refunded:  charged	\$	
<p>a. <input checked="" type="checkbox"/> A credit card form in the amount of \$65.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-0763</u>. A duplicate copy of this sheet is enclosed.</p>				
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>				
SEND ALL CORRESPONDENCE TO:		 <b>SIGNATURE</b>		
MADSON & METCALF 15 West South Temple, Suite 900 Salt Lake City, Utah 84101 United States of America Telephone: (801) 537-1700		<u>Eric M. Barzee</u> <b>NAME</b> <u>45,911</u> <b>REGISTRATION NUMBER</b>		

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International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....\$ 100.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims		(above 20)	X \$ 18.00	\$
Independent Claims		(above 3)	X \$ 84.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$280.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$		
Reduction of ½ for filing by small entity, if applicable.		\$65.00		
<b>SUBTOTAL =</b>		\$65.00		
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$		
<b>TOTAL NATIONAL FEE =</b>		\$		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$		
<b>TOTAL FEES ENCLOSED =</b>		\$65.00		
		Amount to be refunded:	\$	
		charged	\$	
<p>a. <input checked="" type="checkbox"/> A credit card form in the amount of \$65.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-0763</u>. A duplicate copy of this sheet is enclosed.</p>				
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SEND ALL CORRESPONDENCE TO:		 <b>SIGNATURE</b>		
<b>MADSON &amp; METCALF</b> 15 West South Temple, Suite 900 Salt Lake City, Utah 84101 United States of America Telephone: (801) 537-1700		<u>Eric M. Barzee</u> NAME  <u>45,911</u> REGISTRATION NUMBER		